

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7106	broadcom.as.	US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/25 13:55
L2	0	1 and imdct.clm.	US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/25 13:57
L3	275	koshy.in.	US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/25 13:56
L4	1	3 and imdct.clm.	US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/25 13:57
S1	7	"6199039"	US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 18:22
S2	9	("20020106020"   "5224213"   "5566154"   "5608713"   "5654952"   "5867819"   "5899970"   "6166663"   "6199039").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/04/24 10:13

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S3	50	("20050080617" "5712955" "5778339" "5835030" "5867819" "5899970" "6344808" "6370501" "7162419" "20020040299" "20020165710" "20050154597" "5349549" "5640421" "5646960" "5731767" "6199039" "6411226" "6721708" "20020023116" "20040010329" "20040230419" "20050096765" "20050096918" "20050102150" "20050108003" "20060047521" "5798991" "5805544" "20070027695" "20070050440" "6308194" "5461378" "5754127" "5847977" "6166663" "6209015" "6260122" "6292817" "6304847" "6353584" "6356639" "6363406" "6366545" "6434686" "6460062" "6493674" "6823310" "6963842" "6980933" ) .pn.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/04/24 10:13
S4	10	("5867819").URPN.	USPAT	OR	ON	2007/04/24 15:00
S5	1	"7065491"	USPAT	OR	ON	2007/04/24 15:24
S6	2	(overlap\$3 near add\$3) same symmetry	USPAT	OR	ON	2007/04/24 16:38
S7	18	(overlap\$3 near add\$3) and imdct	USPAT	OR	ON	2007/04/24 15:41
S8	6	("5105463"   "5111417"   "5457685"   "5673363"   "5819212"   "6092041").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/04/24 16:04
S9	11	("6351730").URPN.	USPAT	OR	ON	2007/04/24 16:07
S10	1	imdct same symmetry	USPAT	OR	ON	2007/04/24 16:39


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**All Results**
[Y Wang](#)
[M Vilermo](#)
[L Yaroslavsky](#)
[T Tsai](#)
[M Doerrler](#)
Some peculiar properties of the MDCT - group of 3 »

Y Wang, L Yaroslavsky, M Vilermo, M Vaananen - Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th ..., 2000 - [ieeexplore.ieee.org](#)

... The **IMDCT** time domain samples of frame 1, 2, 3 are shown in Figures 1 (c)(e)(g) respectively. The reconstructed time domain samples after **overlap-add** (OA ...

[Cited by 9](#) - [Related Articles](#) - [Web Search](#)

Architecture design for MPEG-2 AAC filterbank decoder using modified regressive method - group of 2 »

TH Tsai, JN Liu - Acoustics, Speech, and Signal Processing, 2002. Proceedings. ..., 2002 - [ieeexplore.ieee.org](#)

... the original **IMDCT**. In addition, the parallel processing in **IMDCT** is convenient for **overlap-add** operation. The proposed algorithm ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

On the relationship between MDCT, SDPT and DFT

Y Wang, L Yaroslavsky, M Vilermo - Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th ..., 2000 - [ieeexplore.ieee.org](#)

... of the signal in Window 2 are presented in Figure 1(d). The corresponding **IMDCT** time domain signal is shown in Figure 1(e). If the **overlap-add** procedure is ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

A pure-ASIC design approach for MPEG-2 AAC audio decoder

TH Tsai, CN Liu, YW Wang - Information, Communications and Signal Processing, 2003 and ..., 2003 - [ieeexplore.ieee.org](#)

... As shown in Figure 6, the AAC decoder ifterbank consists of an inverse modified discrete cosine transform (**IMDCT**), and a windowing and **overlap-add** function. ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

Modified Discrete Cosine Transform—Its Implications for Audio Coding and Error Concealment - group of 3 »

Y Wang, M Vilermo - Journal of Audio Engineering Society, 2003 - [comp.nus.edu.sg](#)

... 3 **IMDCT** converts the input signal into one that contains a certain twofold symmetric ... 1(f)). The introduced alias is cancelled in the **overlap-add** process to ...

[Cited by 8](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

A new watermarking method of digital audio content for copyrightprotection

Y Wang - Signal Processing Proceedings, 1998. ICSP'98. 1998 Fourth ..., 1998 - [ieeexplore.ieee.org](#)

... is [2J:  $X_k = x \cos(2\pi(n - n_0)X_k)$  for  $k=0$  to  $N$ ] The analytical expression of the **IMDCT** is:  $x$  ... The reconstructed signal is obtained by an **overlap-add** operation. ...

[Cited by 15](#) - [Related Articles](#) - [Web Search](#)

Method of implementing an inverse modified discrete cosine transform (IMDCT) in a dial-mode audio ... - group of 4 »

YH Jhung... - US Patent 6,304,847, 2001 - Google Patents

... 2 is a block diagram of the **IMDCT** circuit for a dual-mode audio decoder ... 4fl to 4c

are diagrams of the V-array, window, and **overlap/add** operations for windowing ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

Frame erasure concealment using sinusoidal analysis-synthesis and its application to MDCT-based ... - group of 2 »

VN Parikh, JH Chen, G Aguilar - Acoustics, Speech, and Signal Processing, 2000.

ICASSP'00. ..., 2000 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... transform of the vector  $z$  results in  $M$  desired MDCT coefficients [8]. The inverse MDCT (**IMDCT**) and **overlap-add** synthesis is implemented efficiently as follows. ...

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A Hardware/Software Co-Design of MP3 Audio Decoder - group of 3 »

TH Tsai, YC Yang, CN Liu - The Journal of VLSI Signal Processing, 2005 - Springer

... for datapath to perform **IMDCT** operations. DW FSM has 21 states to control MAC0 for performing the computations of window- ing and **overlap-add** operations with ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

Optimization of an MP3 decoder on the ARM processor

V Gurkhe, T Instruments, I Bangalore - TENCON 2003. Conference on Convergent Technologies for Asia- ..., 2003 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... each channel. 6. An **overlap-add** mechanism is tised on the **IMDCT** outputs generated in consecutive frames. Specifically the first ...

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